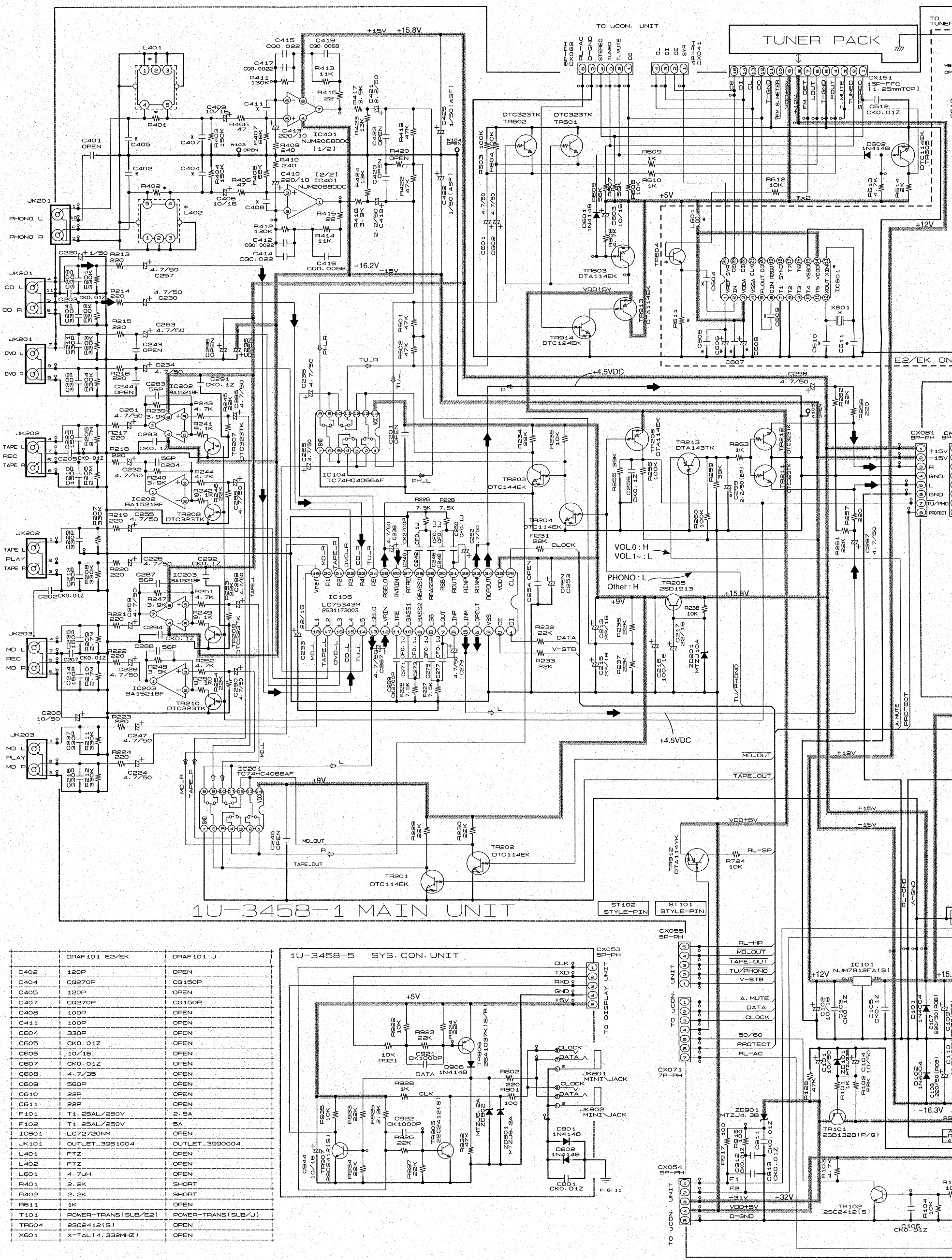
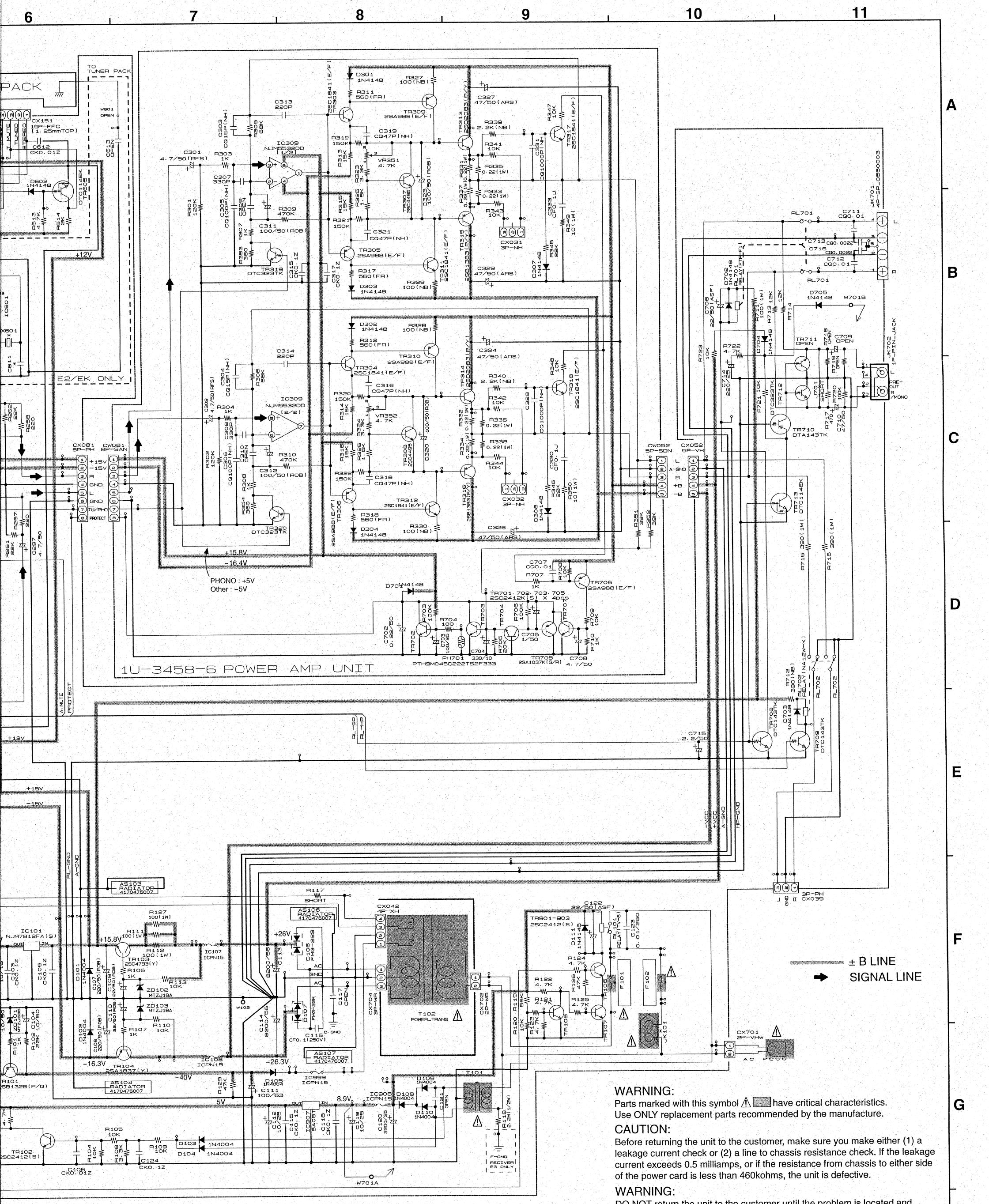
SCHEMATIC DIAGRAMS (1/2)

1 2 3 4 5 6



	DRAF101 E2/EK	DRAF101 J
C402	120P	OPEN
C404	CQ270P	CQ150P
C405	120P	OPEN
C407	CQ270P	CQ150P
C408	100P	OPEN
C411	100P	OPEN
C604	330P	OPEN
C605	CK0.01Z	OPEN
C606	10/16	OPEN
C607	CK0.01Z	OPEN
C608	4.7/35	OPEN
C609	560P	OPEN
C610	22P	OPEN
C611	22P	OPEN
F101	T1.25AL/250V	2.5A
F102	T1.25AL/250V	5A
IC601	LC72720NM	OPEN
JK101	OUTLET_3961004	OUTLET_3990004
L401	FTZ	OPEN
L402	FTZ	OPEN
L601	4.7uH	OPEN
R401	2.2K	SHORT
R402	2.2K	SHORT
R611	1K	OPEN
T101	POWER-TRANS(SUB/E2)	POWER-TRANS(SUB/J)
TR604	2SC2412(S)	OPEN
X601	X-TAL(4.332MHZ)	OPEN



WARNING:
Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

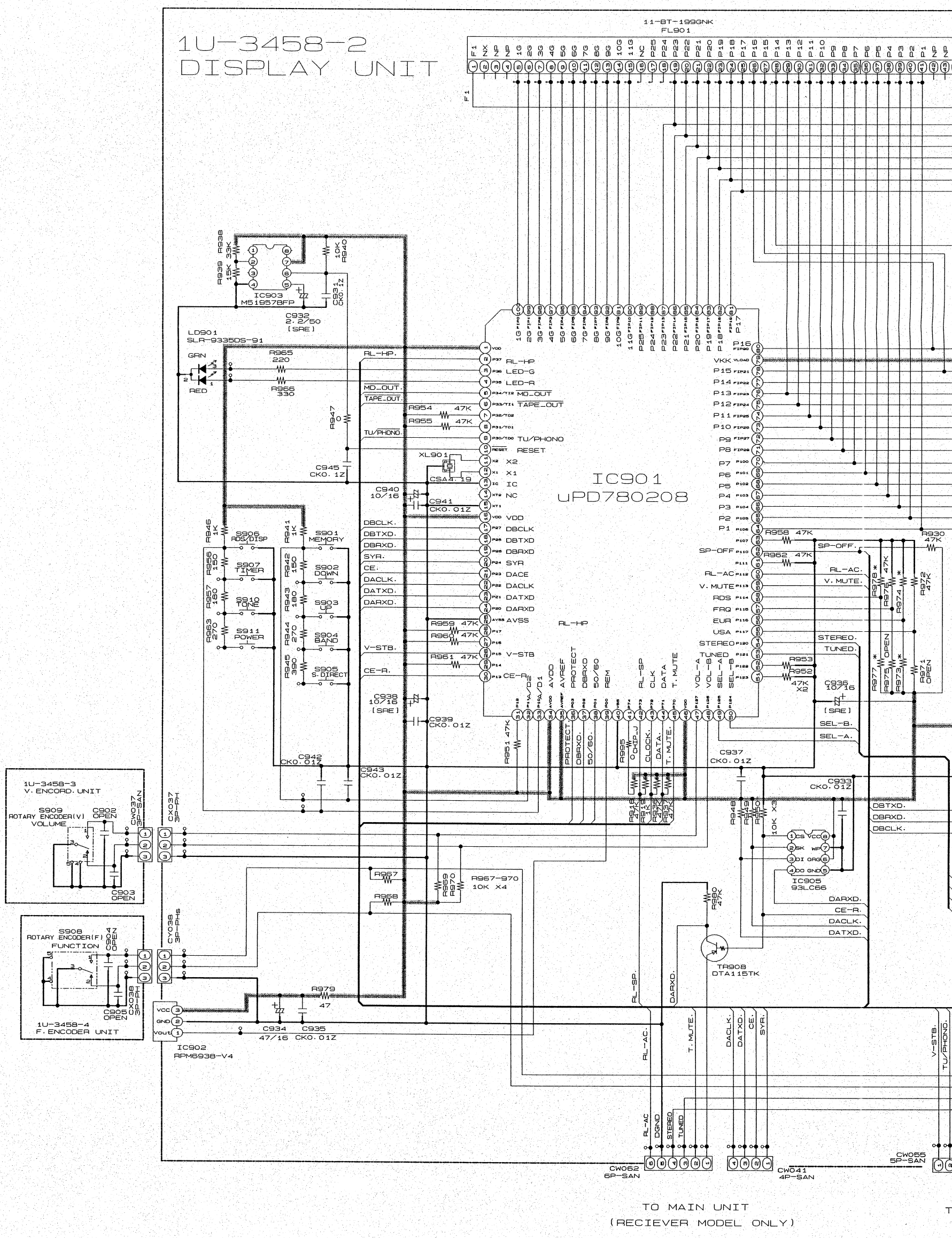
NOTICE
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

SCHEMATIC DIAGRAMS (1/2)

1U-3458-1 MAIN UNIT
1U-3458-5 SYS. CON. UNIT
1U-3458-6 POWER AMP UNIT

SCHEMATIC DIAGRAMS (2/2)

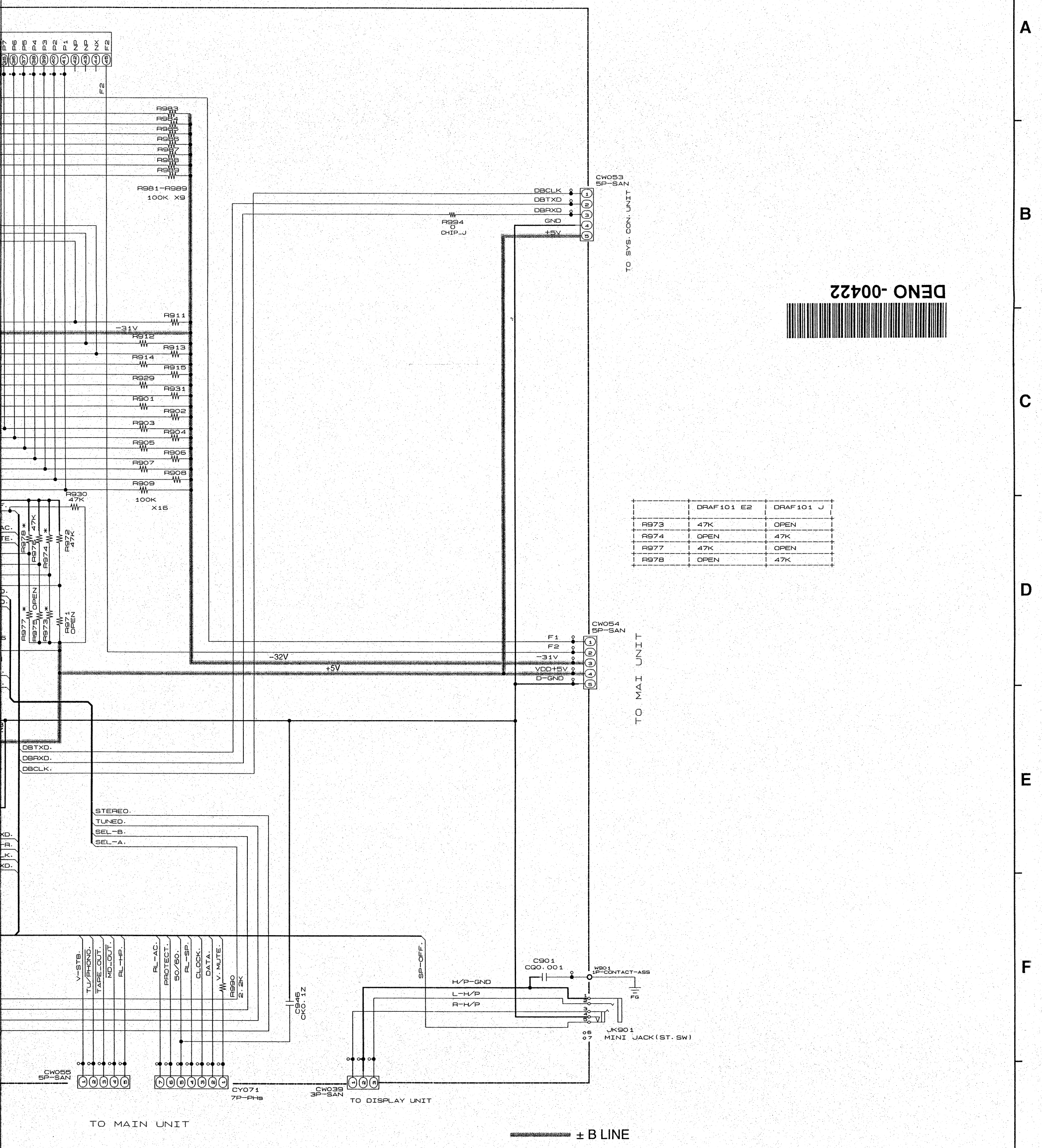
1 2 3 4 5 6



NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING
Parts marked
Use ONLY re
CAUTION
Before return
leakage curr
current exce
of the power
WARNING
DO NOT retu
corrected.



	DRAF101 E2	DRAF101 J
R973	47K	OPEN
R974	OPEN	47K
R977	47K	OPEN
R978	OPEN	47K

± B LINE

WARNING:
Parts marked with this symbol ⚠ ▒ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

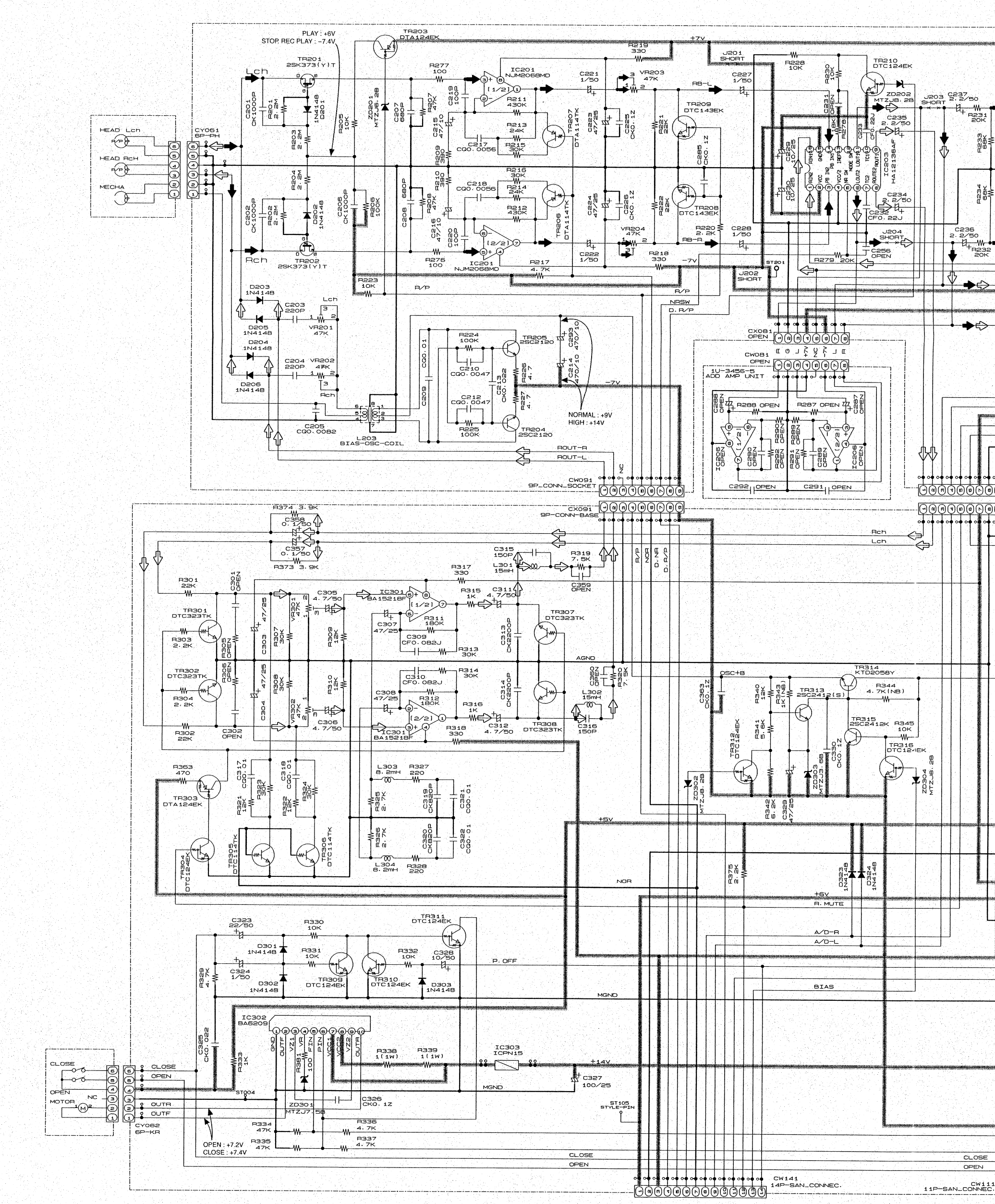
CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS (2/2)

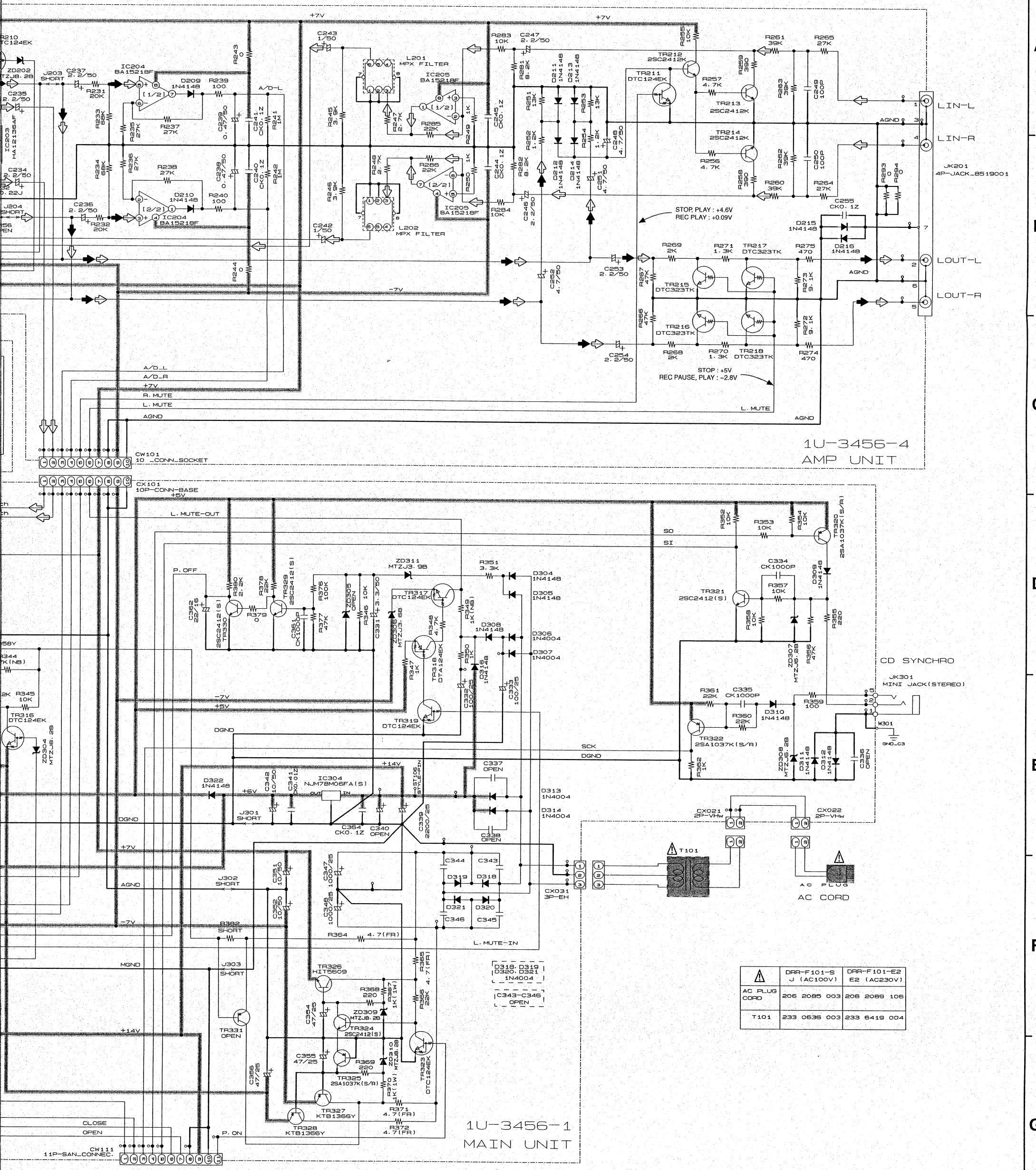
1U-3458-2 DISPLAY UNIT
1U-3458-3 V. ENCODER UNIT
1U-3458-4 F. ENCODER UNIT

SCHEMATIC DIAGRAMS (1/2)



NOTICE

ALL RESISTANCE VALUES IN OHM. k=1
ALL CAPACITANCE VALUES IN MICRO
EACH VOLTAGE AND CURRENT ARE M
CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO
NOTICE.



⚠	DRR-F101-S J (AC100V)	DRR-F101-E2 E2 (AC230V)
AC PLUG CORD	206 2085 003	206 2089 106
T101	233 0636 003	233 6419 004

CE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
NCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
E AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT

PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR

WARNING:

Parts marked with this symbol ⚠ ▒ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

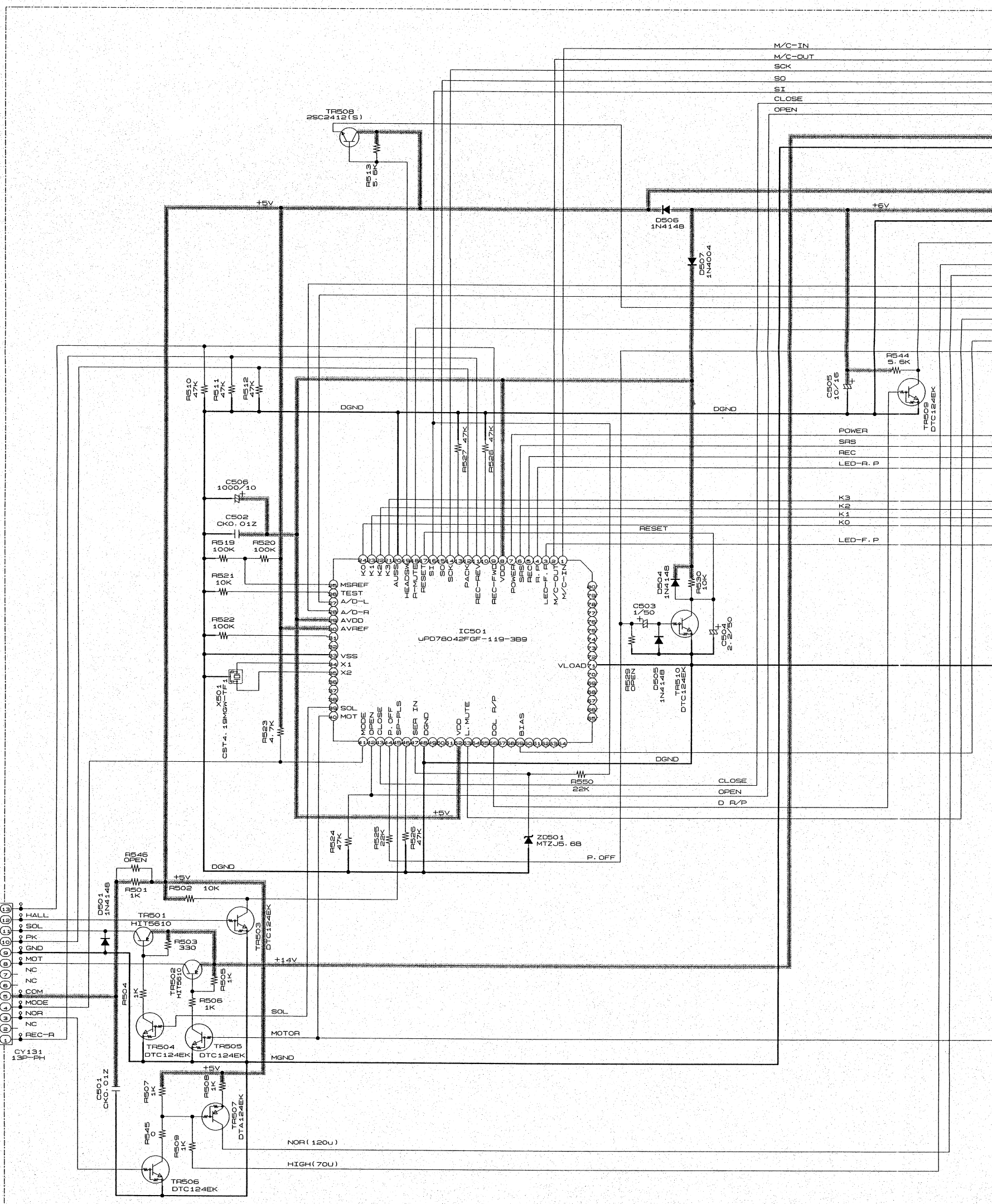
± B LINE
PB SIGNAL LINE
REC SIGNAL LINE

SCHEMATIC DIAGRAMS (1/2)

1U-3456-1 MAIN UNIT
1U-3456-4 AMP UNIT

SCHEMATIC DIAGRAMS (2/2)

1 2 3 4 5 6



NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING

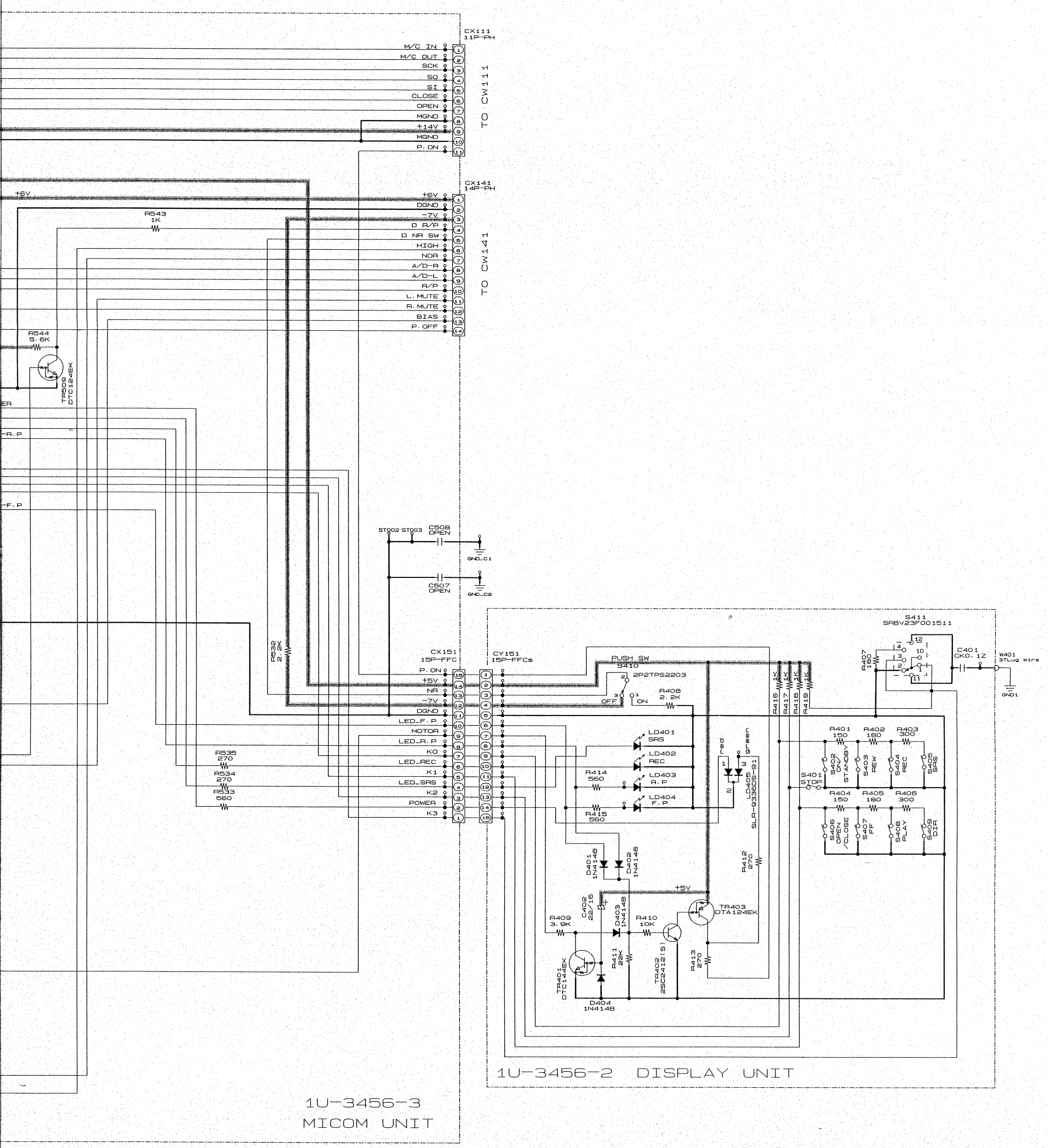
Parts marke
Use ONLY r

CAUTION

Before retur
leakage cur
current exce
of the power

WARNING

DO NOT ret
corrected.



± B LINE

WARNING:
Parts marked with this symbol ⚠ ▒ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS (2/2)

1U-3456-2 DISPLAY UNIT
1U-3456-3 MICOM UNIT

SCHEMATIC DIAGRAMS (1/2)

1 2 3 4 5 6

IC101 LA9241M [ASP]

IC102 LC78625E [DSP]

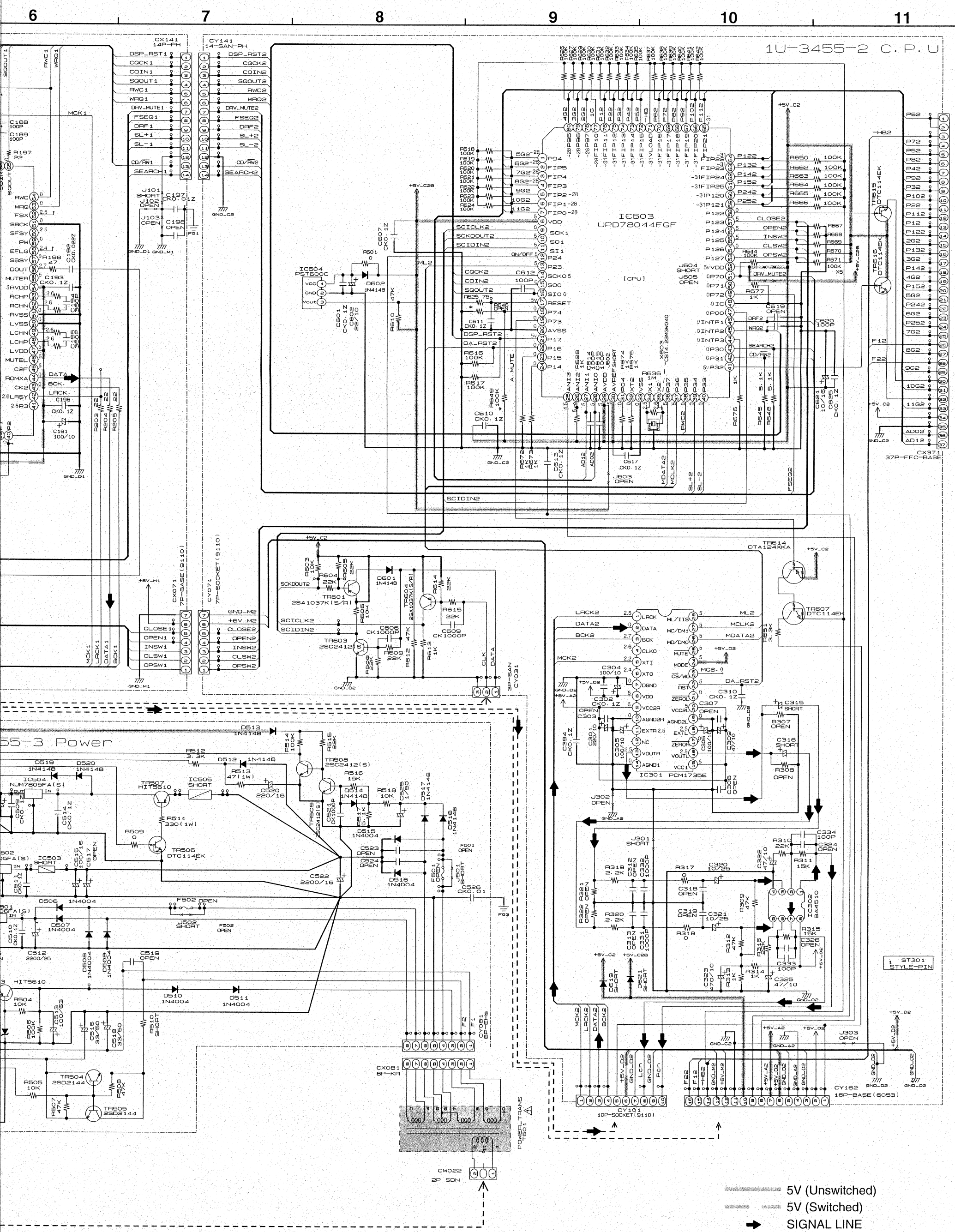
IC103 LA6559 [DRIVER]

1U-3455-3 Power

1U-3455-1

NOTICE

ALL RESISTANCE VALUES IN OHM
ALL CAPACITANCE VALUES IN MIC
EACH VOLTAGE AND CURRENT AR
CONDITION.
CIRCUIT AND PARTS ARE SUBJEC
NOTICE.



TANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
CITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
TAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT
N.
ND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR

WARNING:

Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

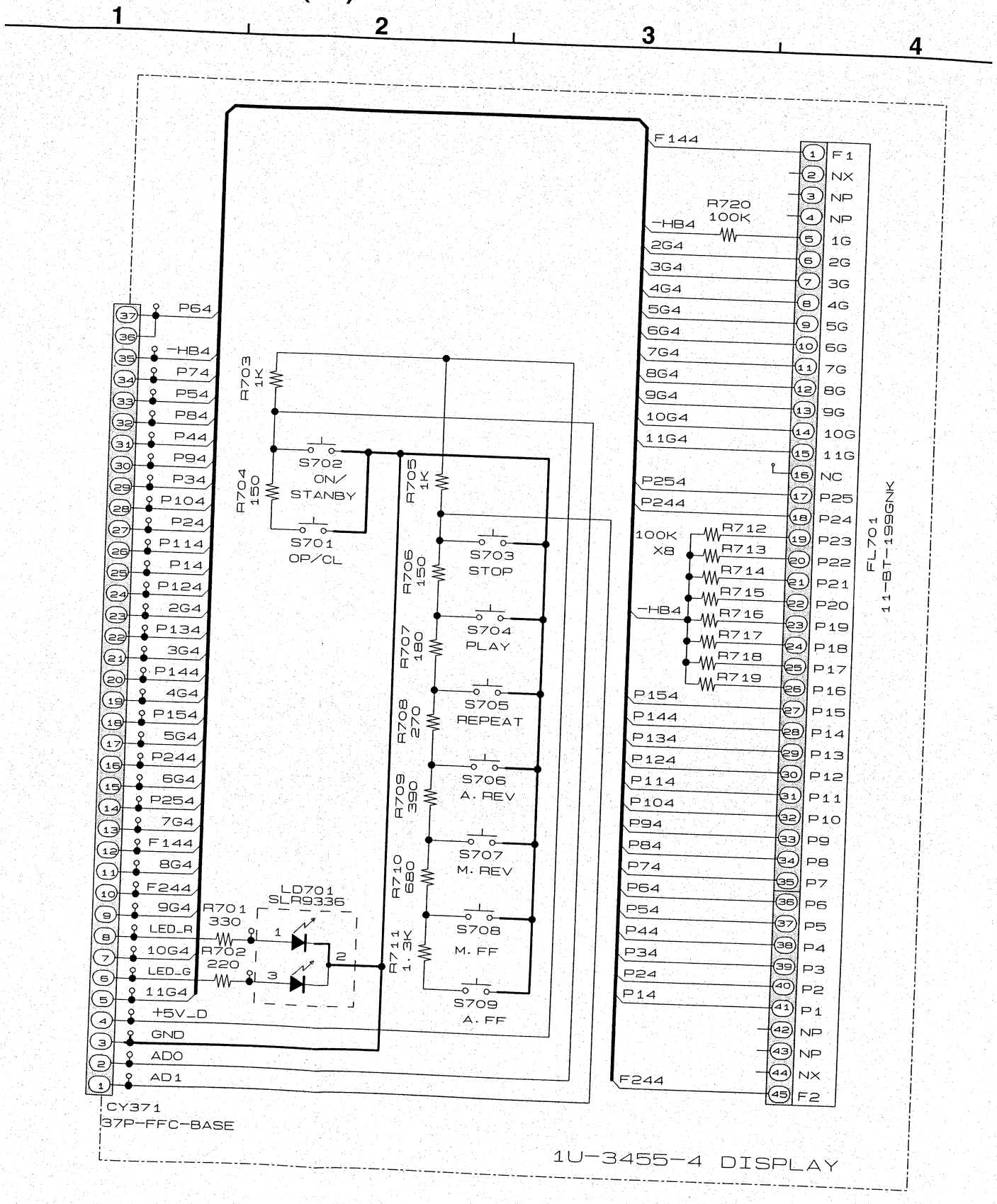
WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

SCHEMATIC DIAGRAMS (1/2)

1U-3455-1 MAIN UNIT
1U-3455-2 CPU UNIT
1U-3455-3 POWER UNIT

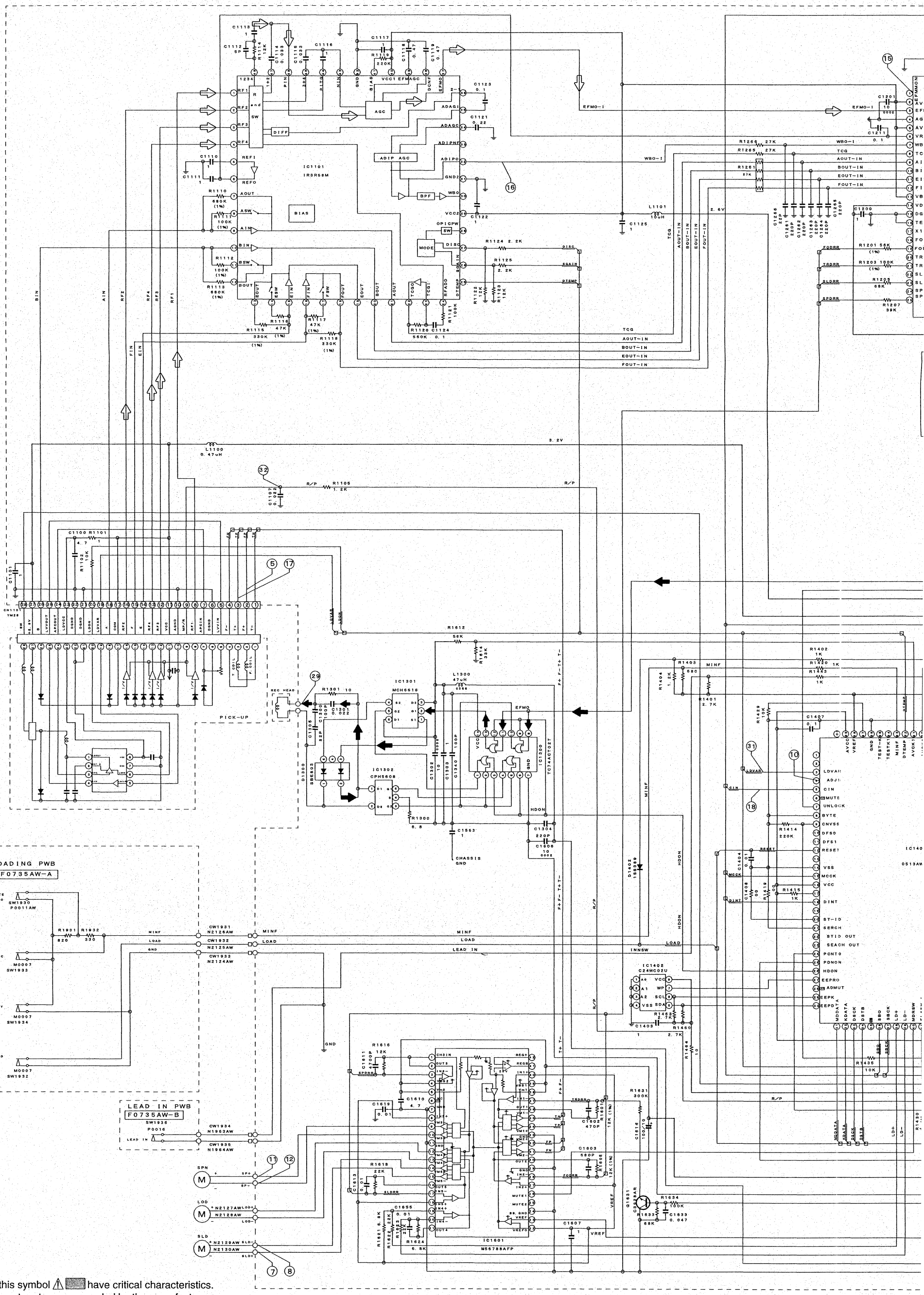
SCHEMATIC DIAGRAMS (2/2)



SCHEMATIC DIAGRAMS (2/2)
1U-3455-4 DISPLAY UNIT

SCHEMATIC DIAGRAMS (1/3)

1 2 3 4 5 6



WARNING:

Parts marked with this symbol ⚠ ▒ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

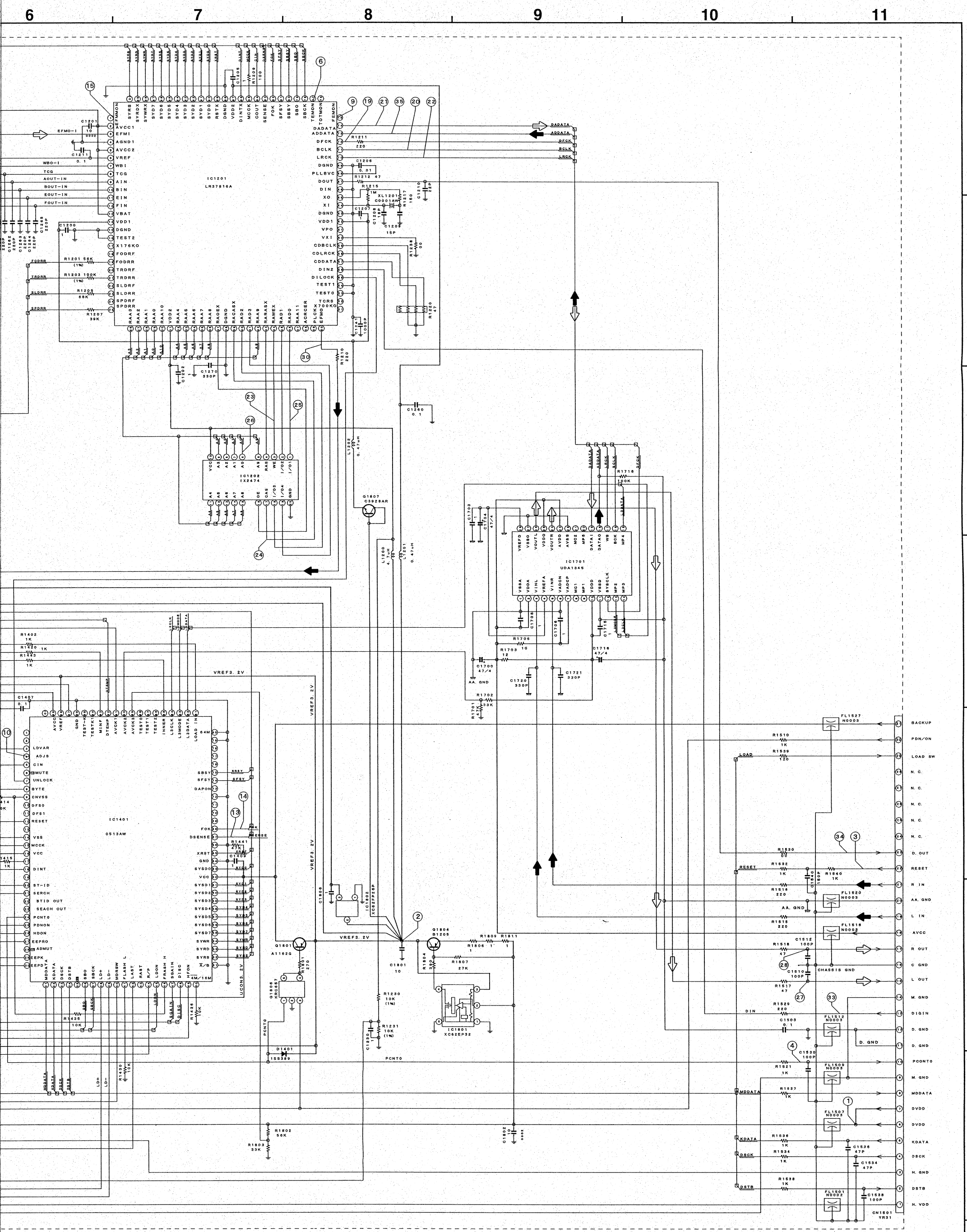
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

NOTICE

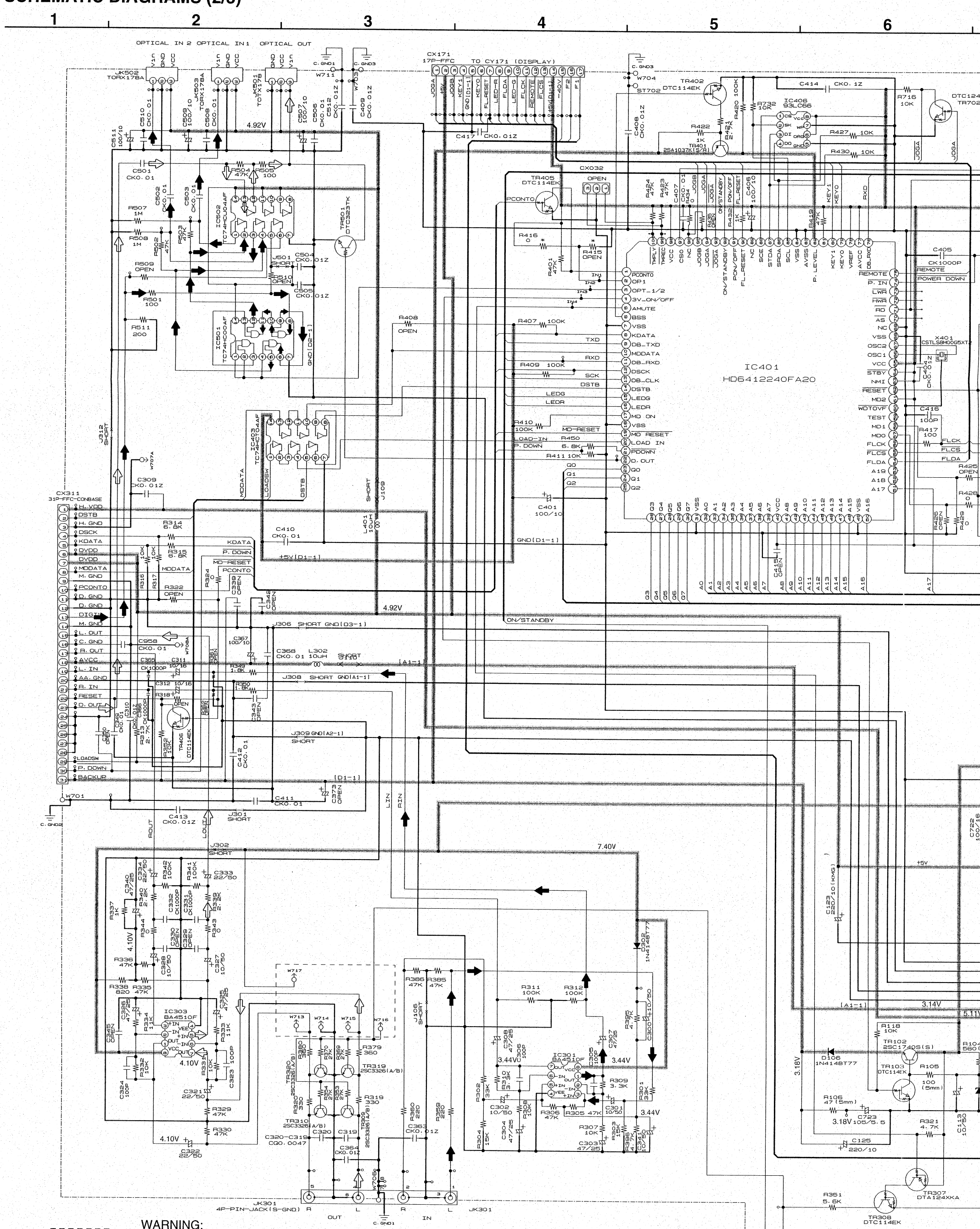
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



SCHEMATIC DIAGRAMS (1/3)

MD MECHANISM P.W.B. UNIT

SCHEMATIC DIAGRAMS (2/3)



WARNING:

Parts marked with this symbol ⚠ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

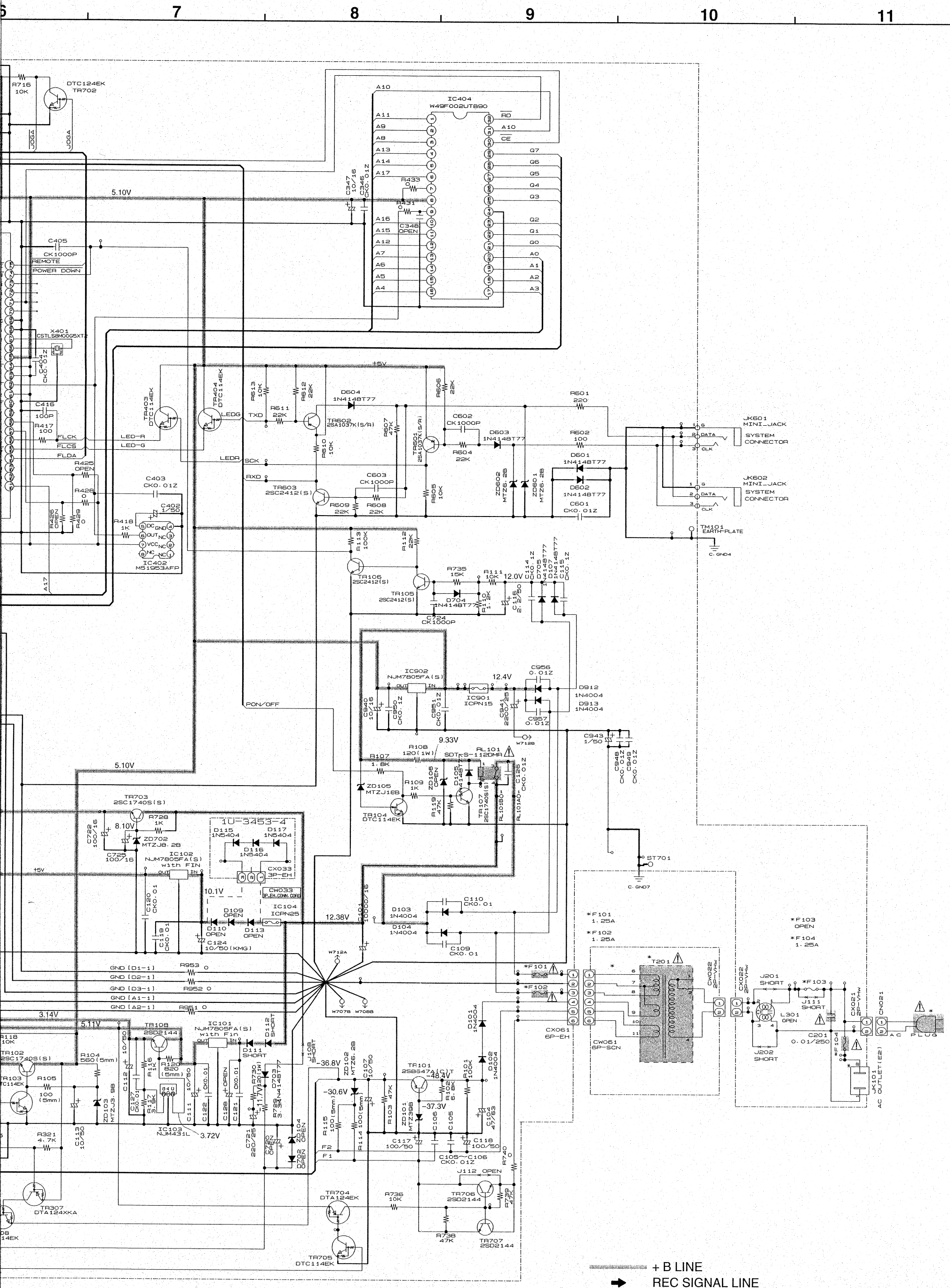
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.

NOTICE

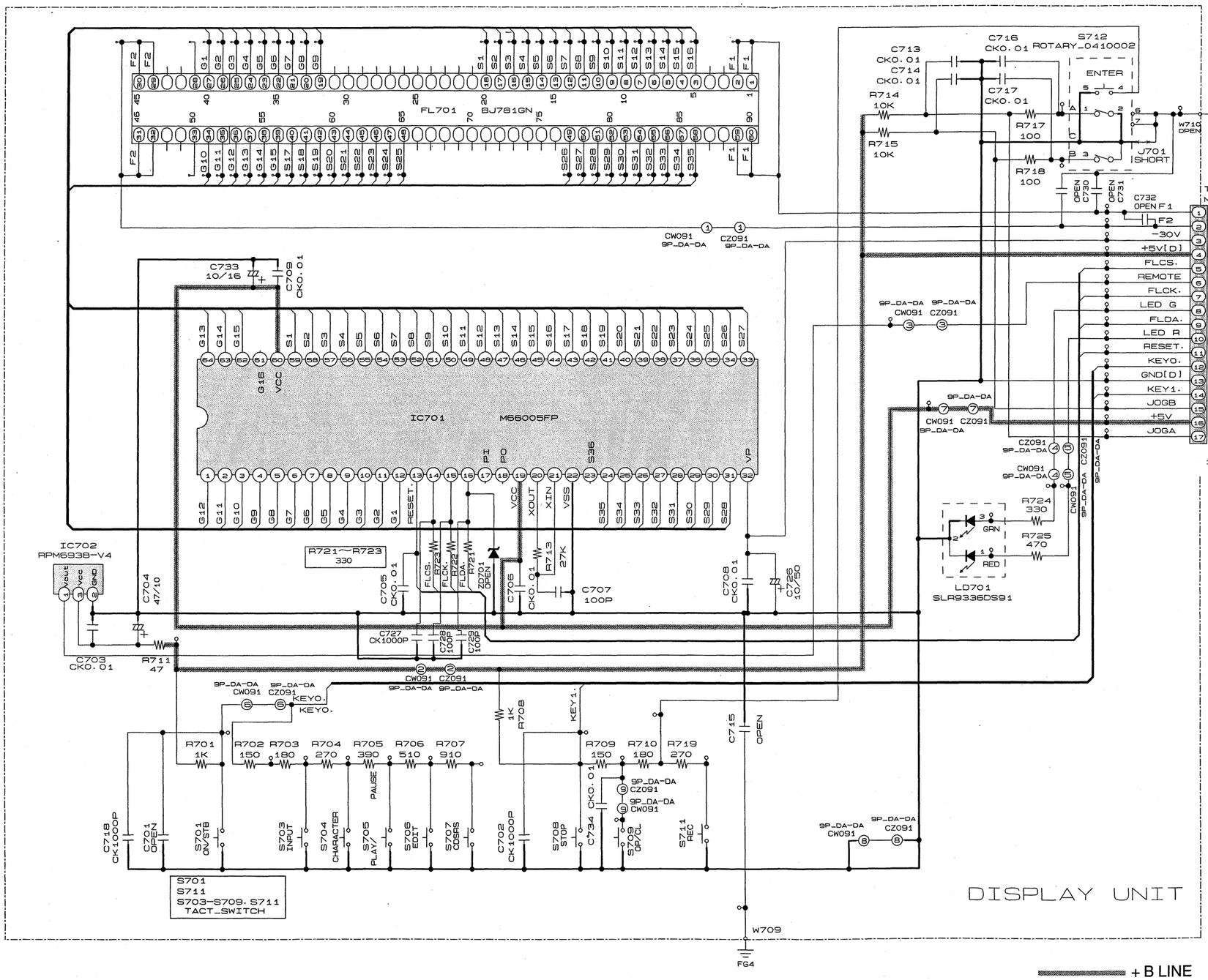
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



SCHEMATIC DIAGRAMS (2/3)

1U-3453 MD P.W.B. UNIT (1/2)

SCHEMATIC DIAGRAMS (3/3)



NOTICE

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASUERD AT NO SIGNAL INPUT CONDITION.
CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

WARNING:

Parts marked with this symbol ⚠ ▭ have critical characteristics.
Use ONLY replacement parts recommended by the manufacture.

CAUTION:

Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power card is less than 460kohms, the unit is defective.

WARNING:

DO NOT return the unit to the customer until the problem is located and corrected.